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IV. *A Collection of the Observations made on the Eclipse of the Moon, on March 15. 1735-6. which were communicated to the Royal Society.*

1. *Eclipse of the Moon, observed by Mr. Geo. Graham in Fleetstreet, March 15. 1735-6.*

H.	M.	S.	
10	13	00	The Beginning.
11	11	00	The total Immerſion.
12	49	00	The Emerſion.
13	47	00	The End.

2. *Dr. Halley at Greenwich obſerved,*

	H.	M.	S.
The Beginning	10	13	37
The Immerſion	11	09	42

3. *Ob*

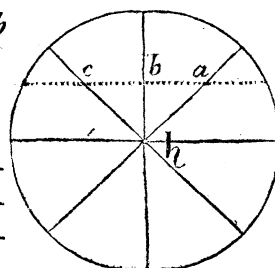
3. *Observations on the Lunar Eclipse of March 15. 1735-6. made at Mr. Graham's House in Fleet-street, by Mr. Celsius, F. R. S. with a reflecting Telescope of eleven Inches, magnifying Sixty-three times, and made at Edinburgh.*

H.	M.	S.	
10	22	05	The Shade on the Middle of <i>Kepler</i> .
	23	15	Entering the <i>Mare Humororum</i> .
	28	16	Entering on <i>Copernicus</i> .
	29	34	—— the Middle of <i>Copernicus</i> .
	30	26	<i>Copernicus</i> entire.
	33	28	Enters on <i>Timocharis</i> .
	38	44	Enters on <i>Tycho</i> .
	39	12	The Middle of <i>Tycho</i> .
	40	48	<i>Tycho</i> entire.
	46	00	Enters on <i>Menelaus</i> .
	49	20	<i>Plinius</i> .
11	00	40	Enters on <i>Mare Crisium</i> .
	5	36	<i>Mare Crisium</i> entire.
	9	17	The total Immersion is about to begin.
13	13	55	<i>Tycho</i> is emerged out of the Shade.
	29	00	<i>Mare Serenitatis</i> is totally emerged.
	40	45	<i>Mare Crisium</i> is totally emerged.
	45	50	The Eclipse is nearly ended.
	46	12	The Eclipse is certainly ended.

4. *Observationes habitæ in Covent-Garden, Idibus Martiis 1735-6. S. V. per D. Bevis, M. D.*

Tem-
pus Ver. P. M.

6	53	47	Saturnus in puncto decussationis filorum micrometri.
7	31	05	Hyadum primus ad δ filum <i>a</i> transit.
7	31	50	---filum horarium <i>b</i> transit.
7	32	35	---filum <i>c</i> transit.
7	42	39	Saturnus iterum in filorum concursu.
8	19	57 $\frac{1}{2}$	Hyadum primus ad δ filum <i>a</i> transit.
8	20	42 $\frac{1}{2}$	<i>b</i> transit.
8	21	27 $\frac{1}{2}$	<i>c</i> transit.
9	50	00	Discus Lunaris horarium filum percurrit 139 minutis secundis horariis.
9	56	00	Iterum 139 $''$.
10	01	00	Iterumque 139 $''$.
10	09	40	Penumbra tenuis Lunam propè Hevelium obnubilare videtur.
10	10	20	Jam valdè sensibilis.
10	11	40	Initium defectûs pono.
10	14	38	Limes umbræ, quantum censeo, per Grimaldum & Cavalerium transit.
10	19	46	Per Aristarchum.
10	24	15	Umbra Mare Humororum ingreditur.
10	32	44	Sinum Roris tegit.



Tubo
scilicet
objec-
tum
inver-
tente.

Tem- pus.	Ver.	P. M.	
10	32	44	Luna per Nubes vix cernitur.
10	40	18	Tychonem umbra dividit.
10	42	26	Mare Serenitatis attingit.
10	46	01	Menelaum tangit. Nubes atra supervenit.
10	53	46	Discedente Nube totum Mare Nectaris tectum deprehenditur. Densissimæ Nubes Lunam iterum adi- munt.
11	00	56	Umbra Mare Crisum tangit.
11	05	48	Immerguntur Mare Crisum & Mare foecundum.
11	10	00	Totalis Lunæ in Umbram Immersio.
12	42	20	Clarescit jam Limbus Lunæ orientalis.
12	46	05	Fit clarior adhuc.
12	47	56	Filamentum sinceræ Lucis quasi ictu oculi restituitur. Nubeculæ plurimæ fugaces.
12	57	05	Limes Luminis attingit Mare Humo- rum.
13	04	03	Totum Humorū Mare recuperatur.
13	13	40	Semitegitur Tycho.
13	14	00	Retegitur totus.
13	17	22	Waltherus emergit. Multa Nubium caligo diu, uti vide- tur, duratura.
13	43	44	Mare foecundum extra umbram cer- nitur.
13	46	25	Umbra vera desinit.
13	48	30	Umbra notha non amplius sensibilis.

In hisce observandis Horologio bonæ notæ pluribus retro diebus, etiamque hac ipsâ die, per quinque solis altitudines correspondentes debitâ prosthapharesi correctas exacto, Tuboque optico sex pedes longo utebar. Circa medium obscurationis Luna quasi per Nubeculum subfuscam conspiciebatur, ad margines autem candentis instar ferri rubebat. Terminus Lucis & Umbræ per totum Eclipsin haud probè definiebatur.

5. *Observations of the Moon's Eclipse, March 15. 1735-6. at Yeovil in Somersetshire, Latitude 50 Degrees 52 Minutes, by Mr. John Milner, communicated by John Allen, M.D. F.R.S.*

N. B. The Clock was first adjusted by the Equation-Table.

	H.	M.	S.	D.	M.
The Beginning	10	6			
The Moon's Altitude then				34	29
The Beginning of total Observation }	11	4	30		
The Altitude then was				34	16
The Middle	11	54			
The End of total Obscu- ration }	12	43	30		
The Altitude then was				34	47
The End	1	39	15		
The Altitude then was				31	47
The Continuation of the total Obscuration was }	1	39	0		
The Duration of the whole Eclipse }	3	33	15		

V. In-